

FIG. 1

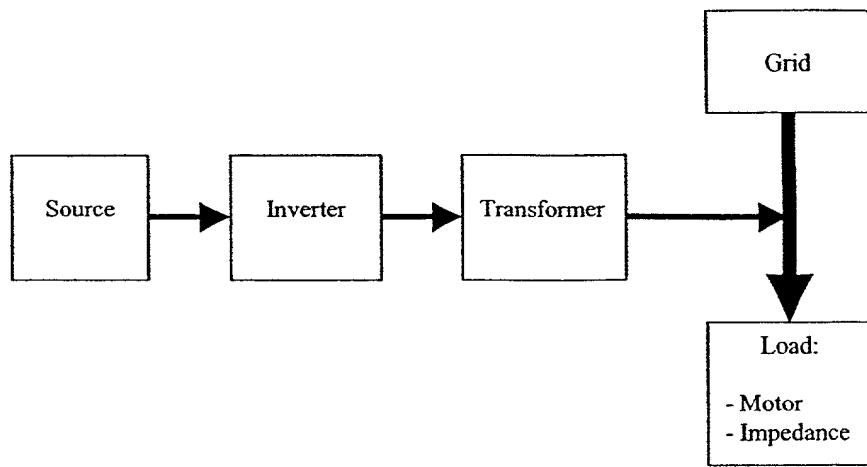


FIG. 2

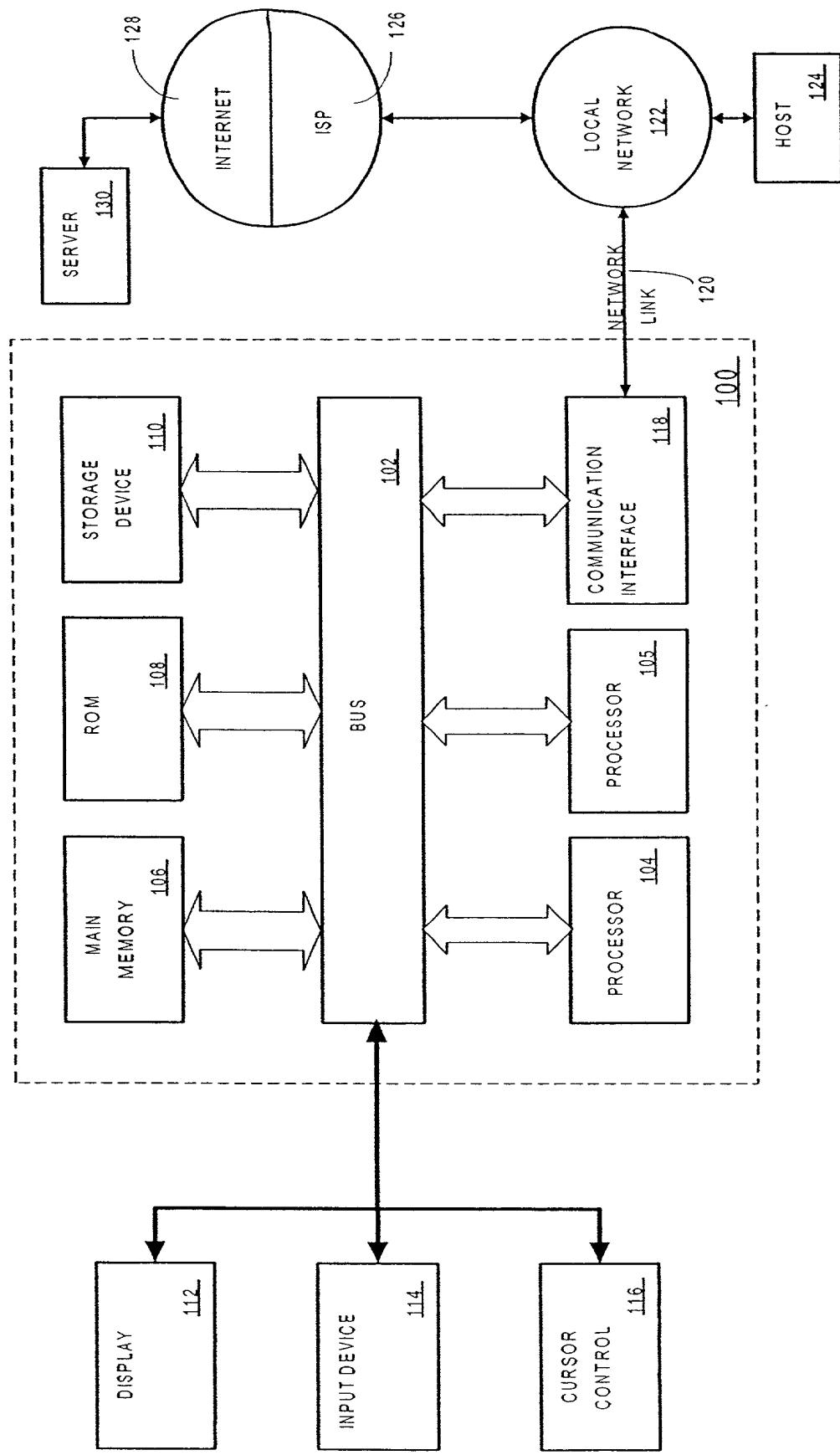


Figure 3

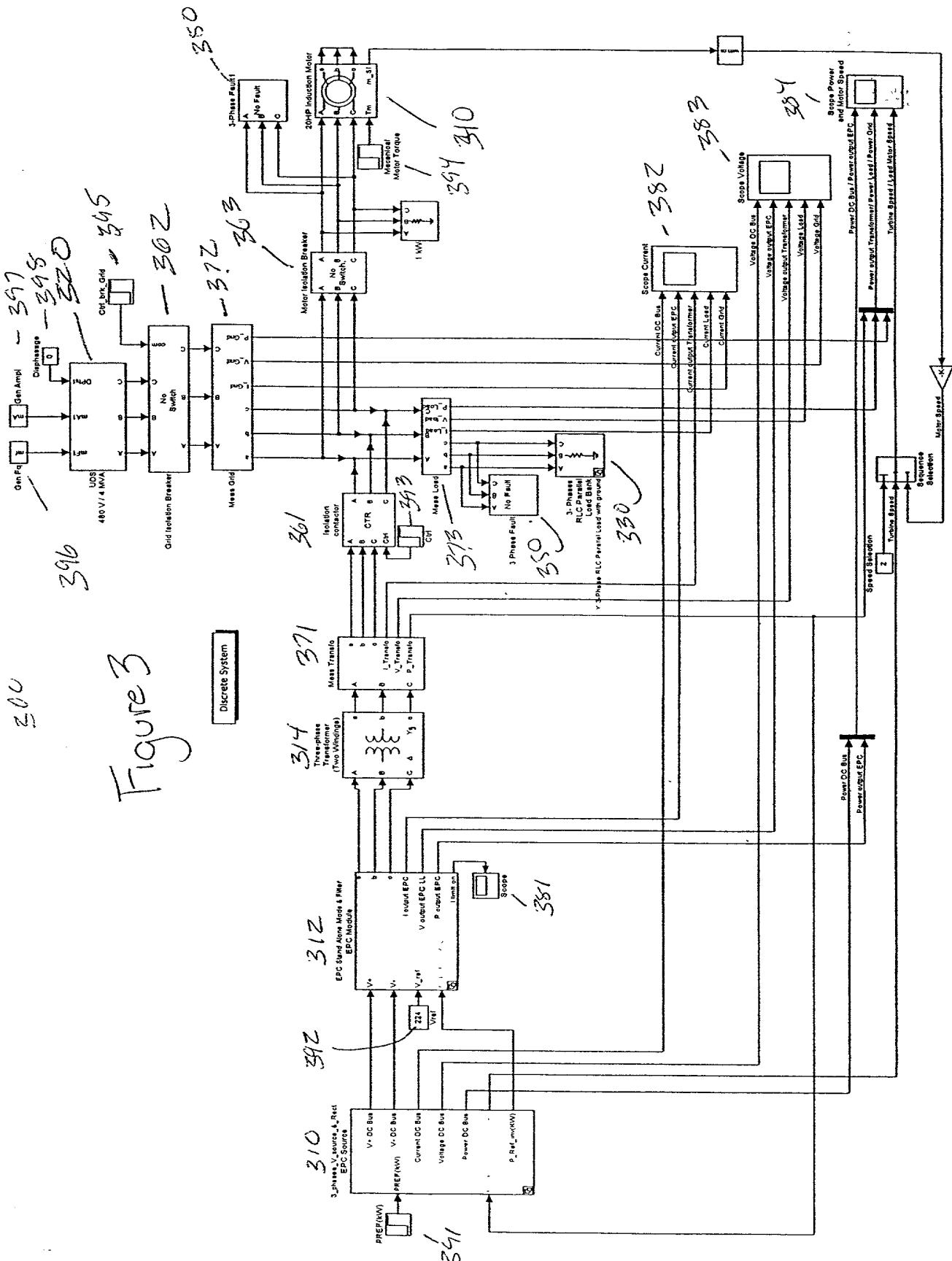
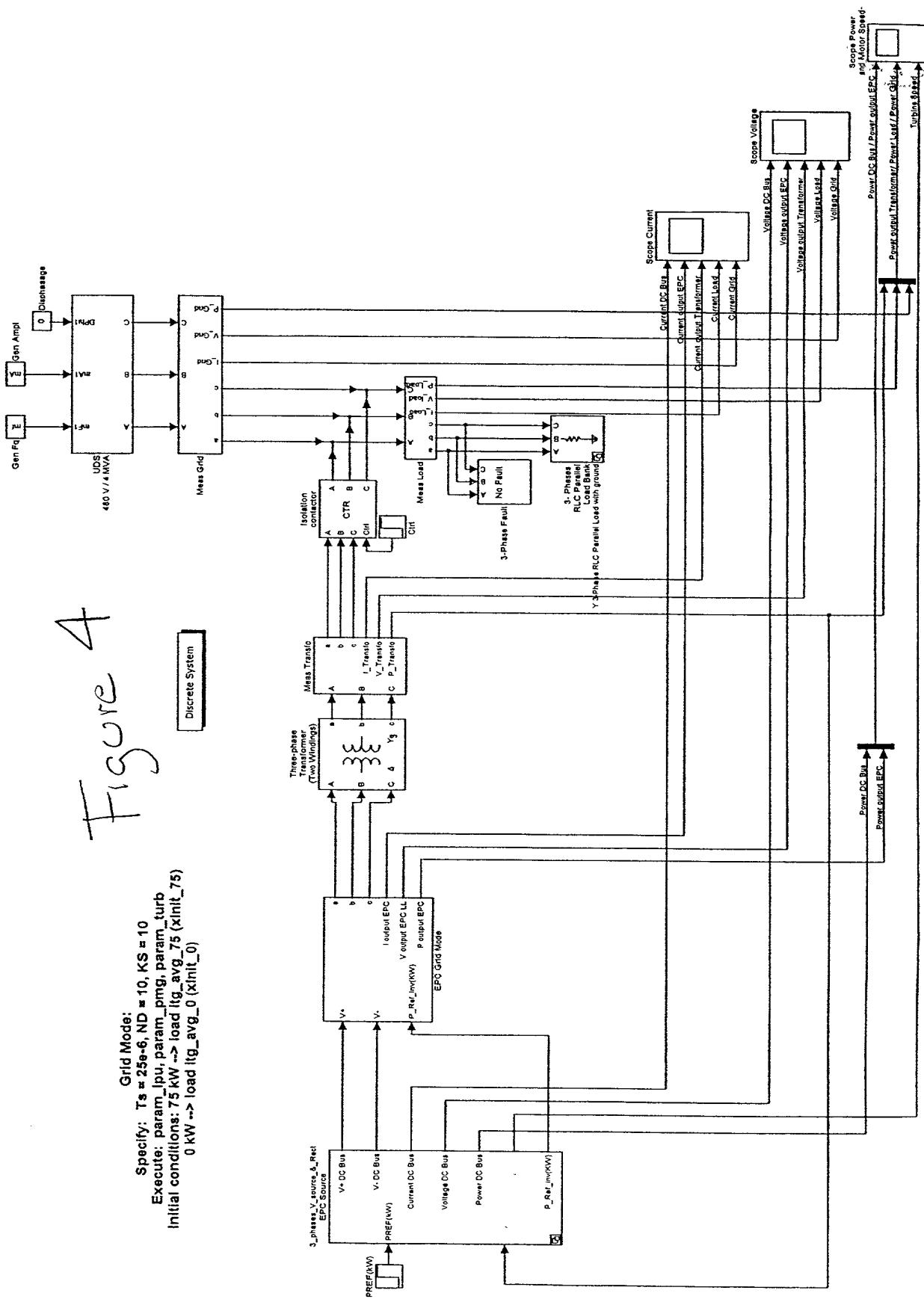


Figure 4

```

Grid Mode:
Specify: Ts = 25e-6, ND = 10, KS = 10
Execute: param_ipu, param_png, param_turb
Initial conditions: 75 kW -> load_ltg_avg_75(xinit_75)
0 kW -> load_ltg_avg_0(xinit_0)

```



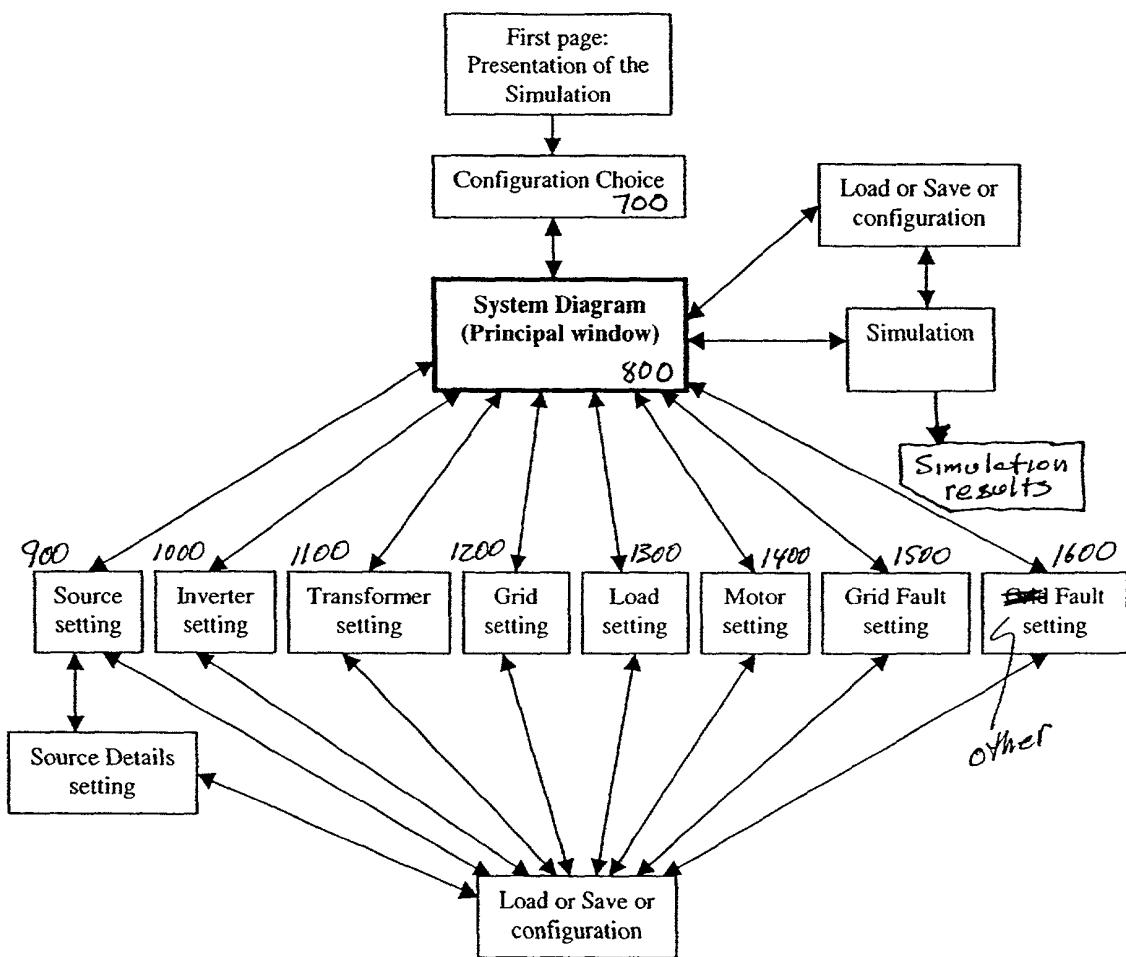


FIGURE 6

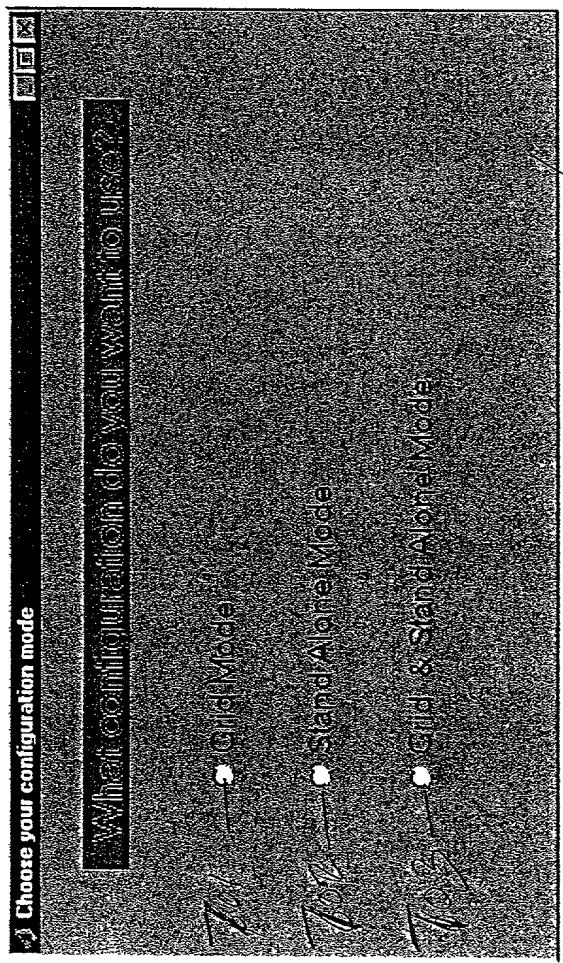
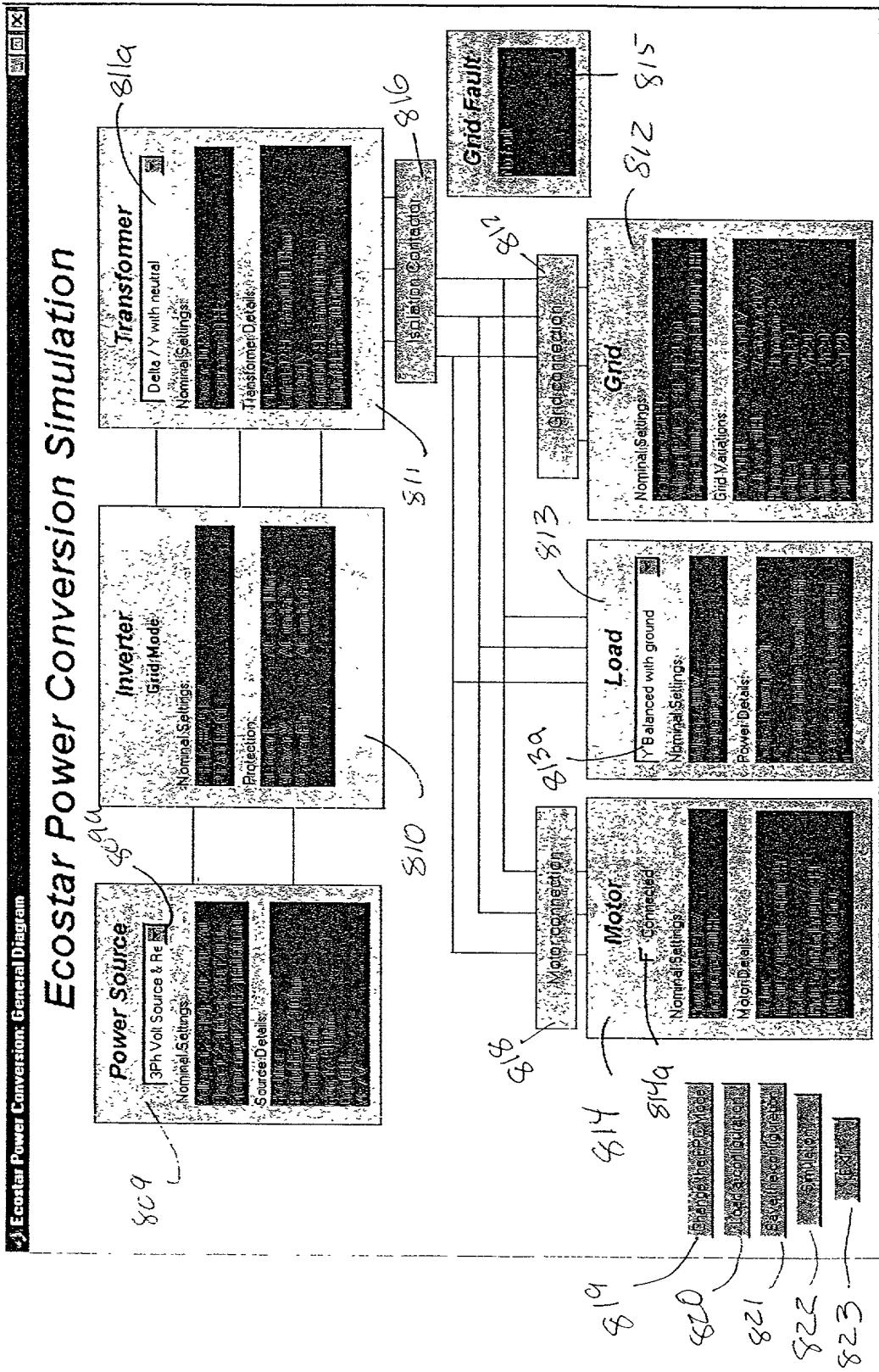


Figure 7

700

FIGURE 8



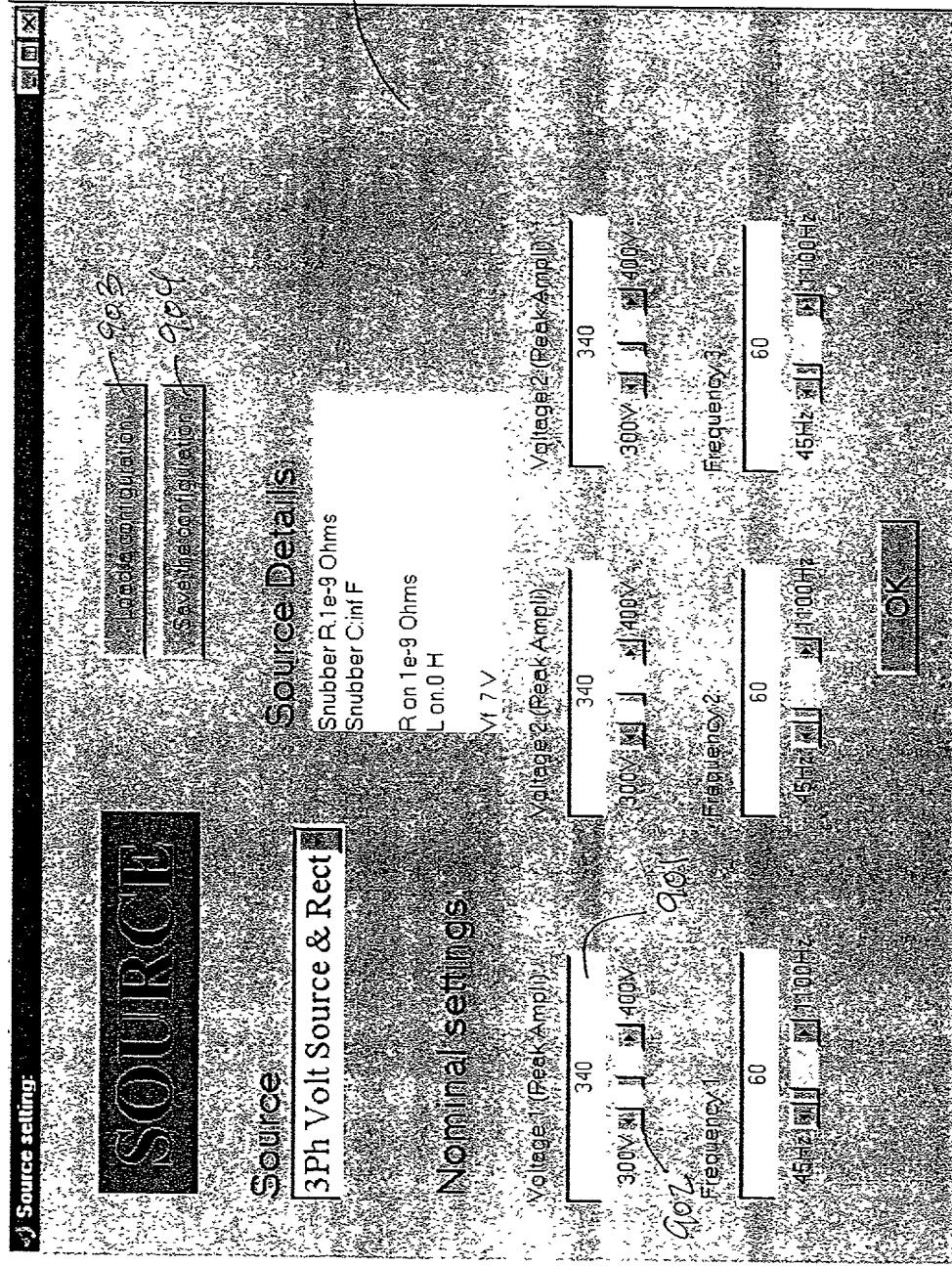


FIGURE 9 a

Figure 9b

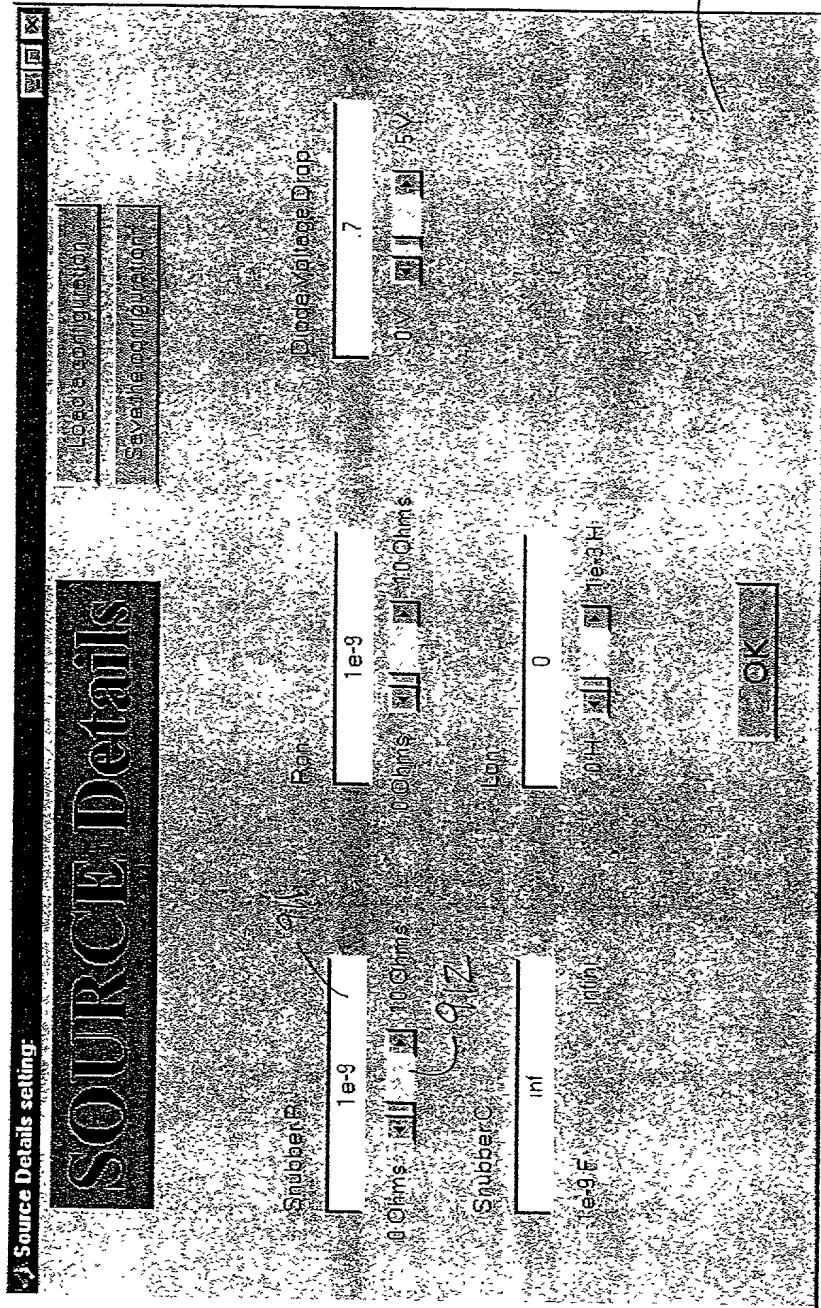
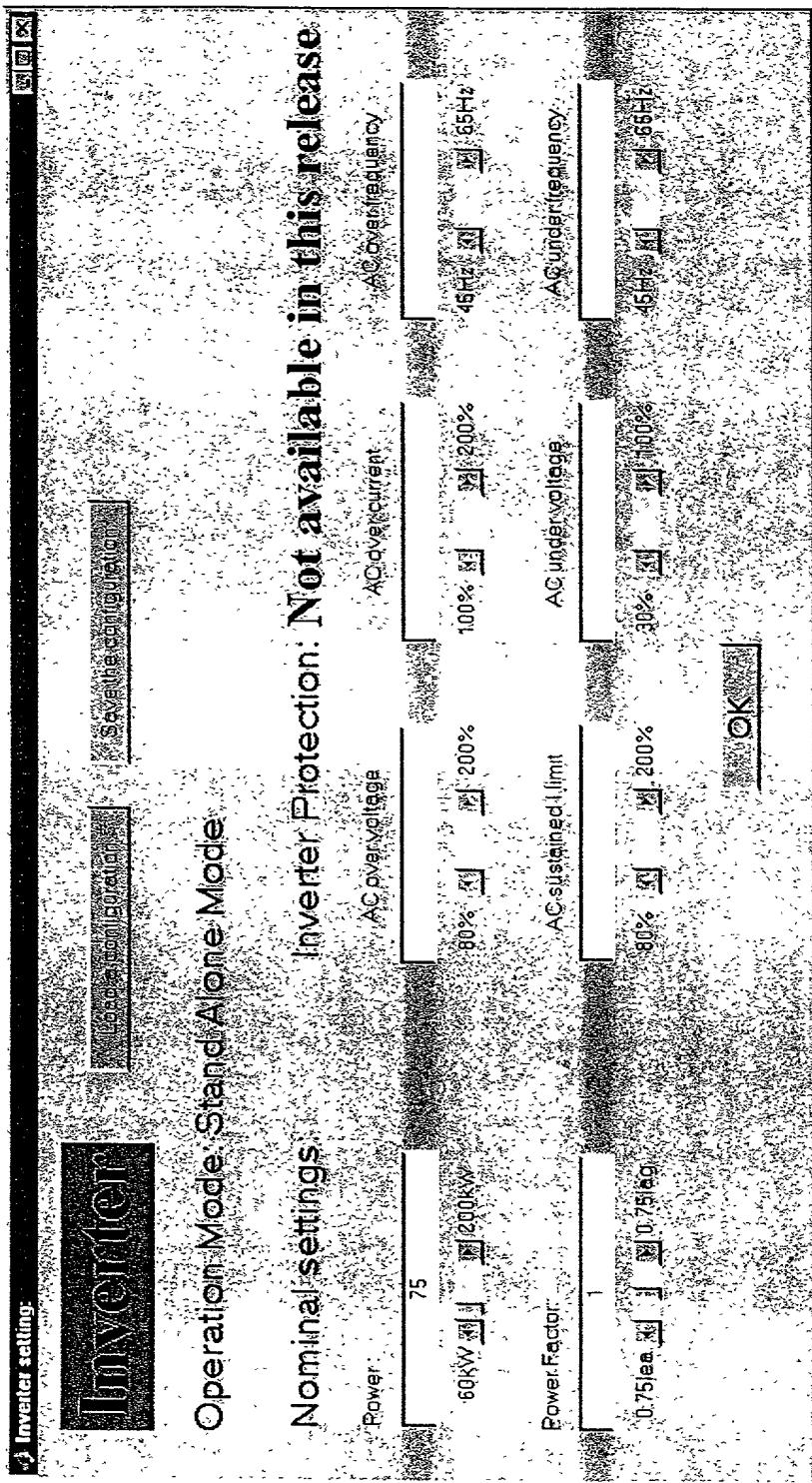


Figure 10



Transformer setting:

TRANSFORMER

Transformer Type: Delta / Y with neutral

Nominal settings

Power:	90	Frequency:	60
Voltage:	50kV	Winding:	45Hz 34
Voltage:	200kV	Winding:	100Hz 34

Magnetisation settings

Rm (pu):	30	Lm (pu):	Inf
10 Ohms	31	1kOhms	1H
1	1	1	1

Winding 1

Voltage:	257	Impedance:	0.01
Voltage:	200V	Reactance:	1e-3 H
Voltage:	200V	Resistance:	0.01

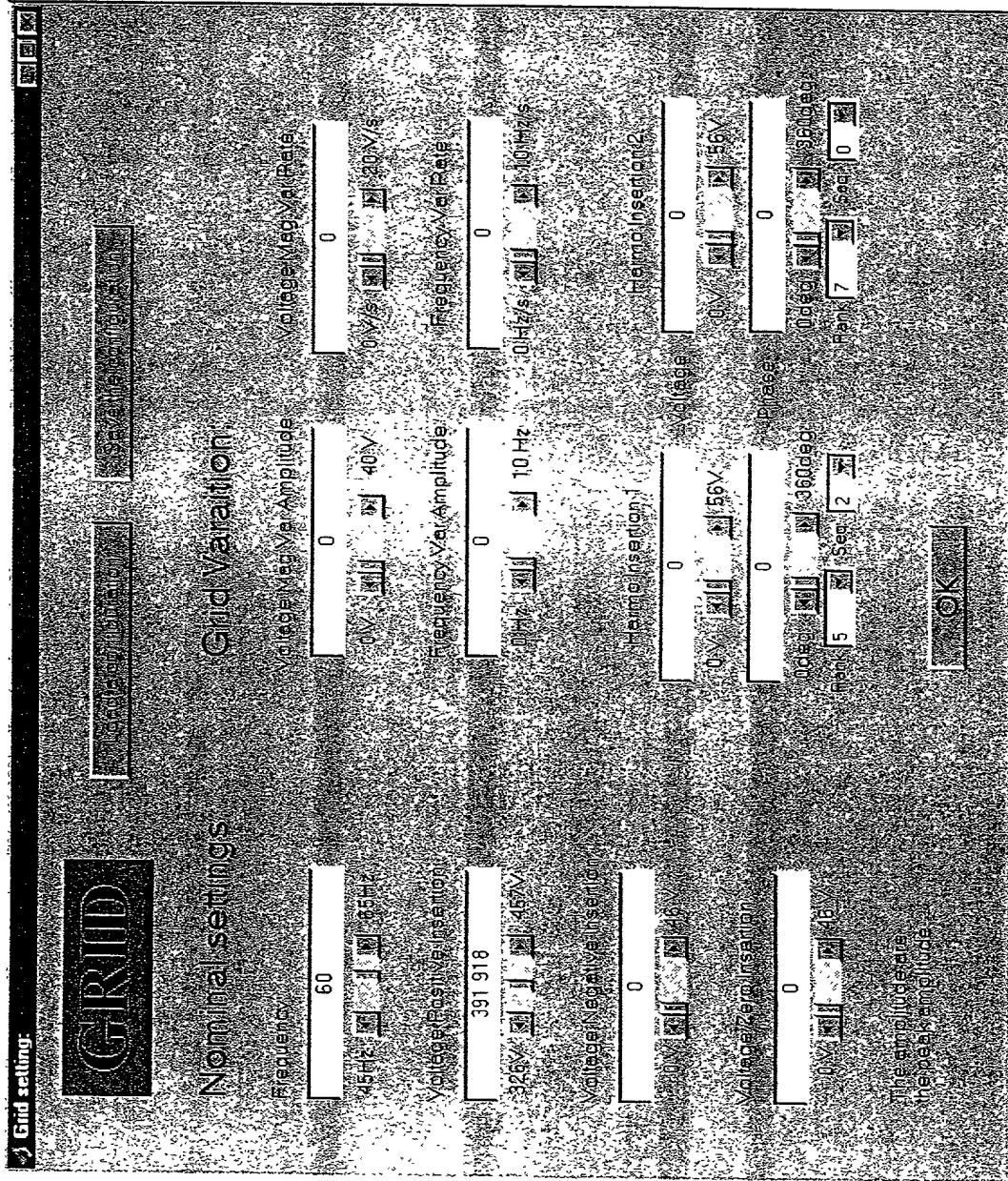
Winding 2

Voltage:	480	Impedance:	0.01
Voltage:	800V	Reactance:	1e-3 H
Voltage:	800V	Resistance:	0.01

OK

Figure 11

Figure 12



Load setting:

LOAD

Load Type: Y Unbalanced without group

NOMINAL SETTING	Phase 1	Phase 2	Phase 3
480	15	10	5
VAR	100	100	100

ACTIVE POWER

Phase 1	Phase 2	Phase 3	
15	10	5	
VAR	100	100	100

REACTIVE INDUCTIVE POWER

Phase 1	Phase 2	Phase 3	
0	0	0	
VAR	100	100	100

REACTIVE CAPACITIVE POWER

Phase 1	Phase 2	Phase 3	
0	0	0	
VAR	100	100	100

OK

Figure 13

Figure 14

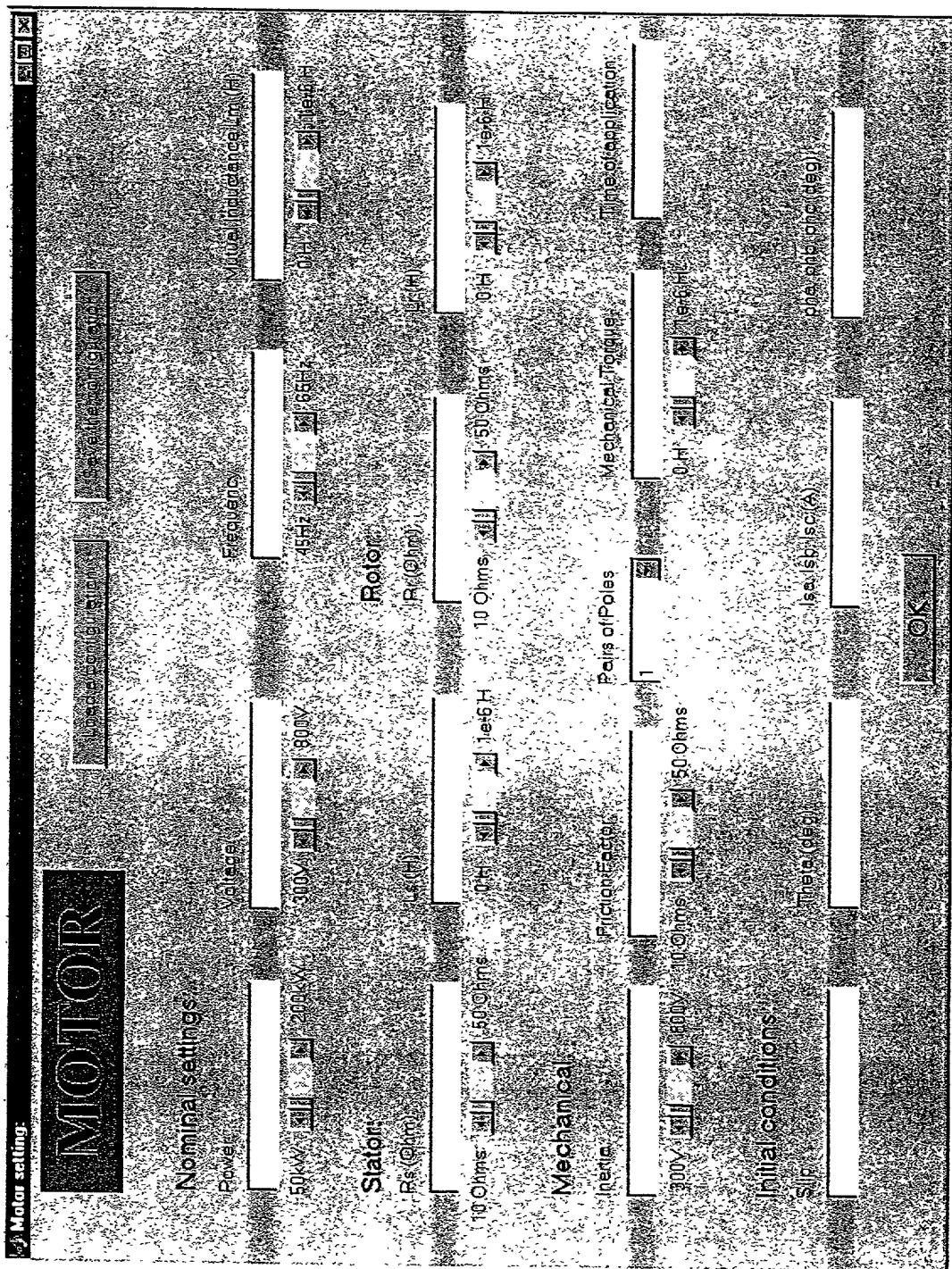
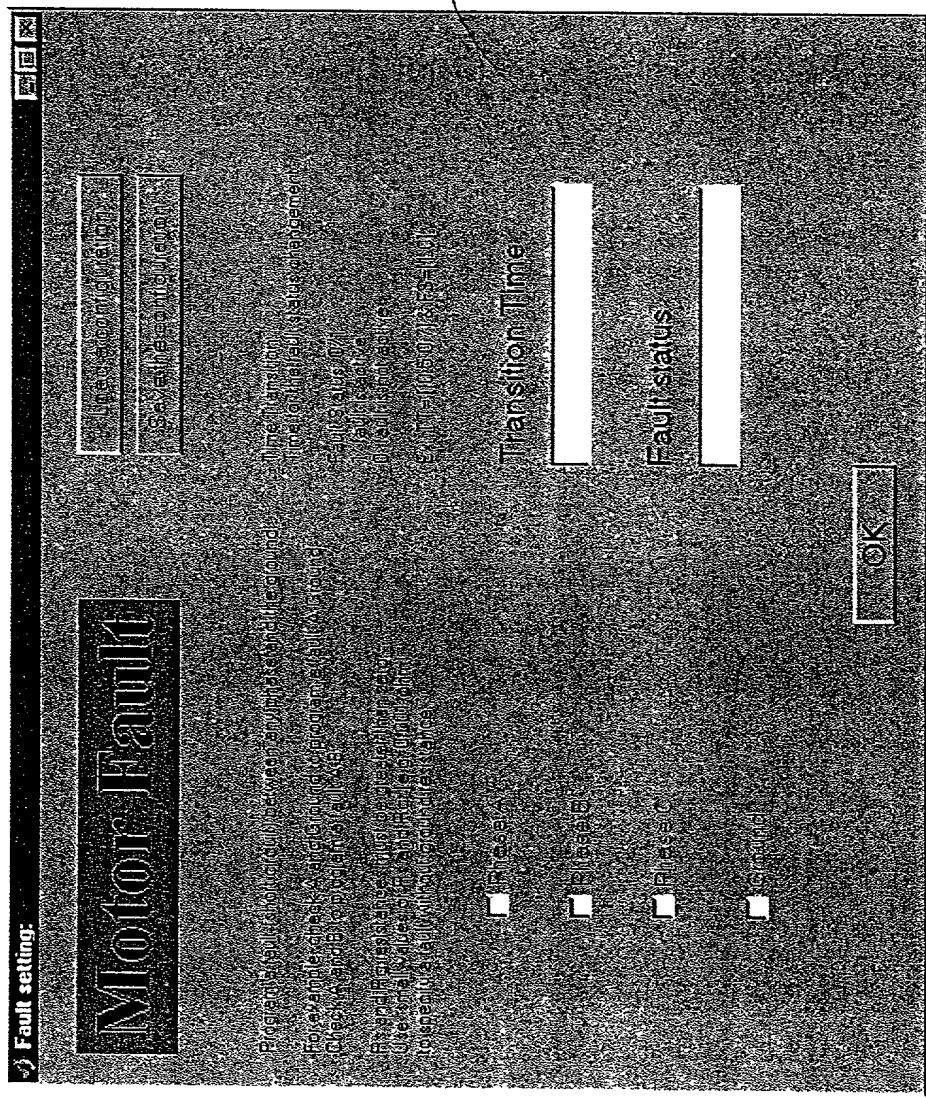


Figure 15



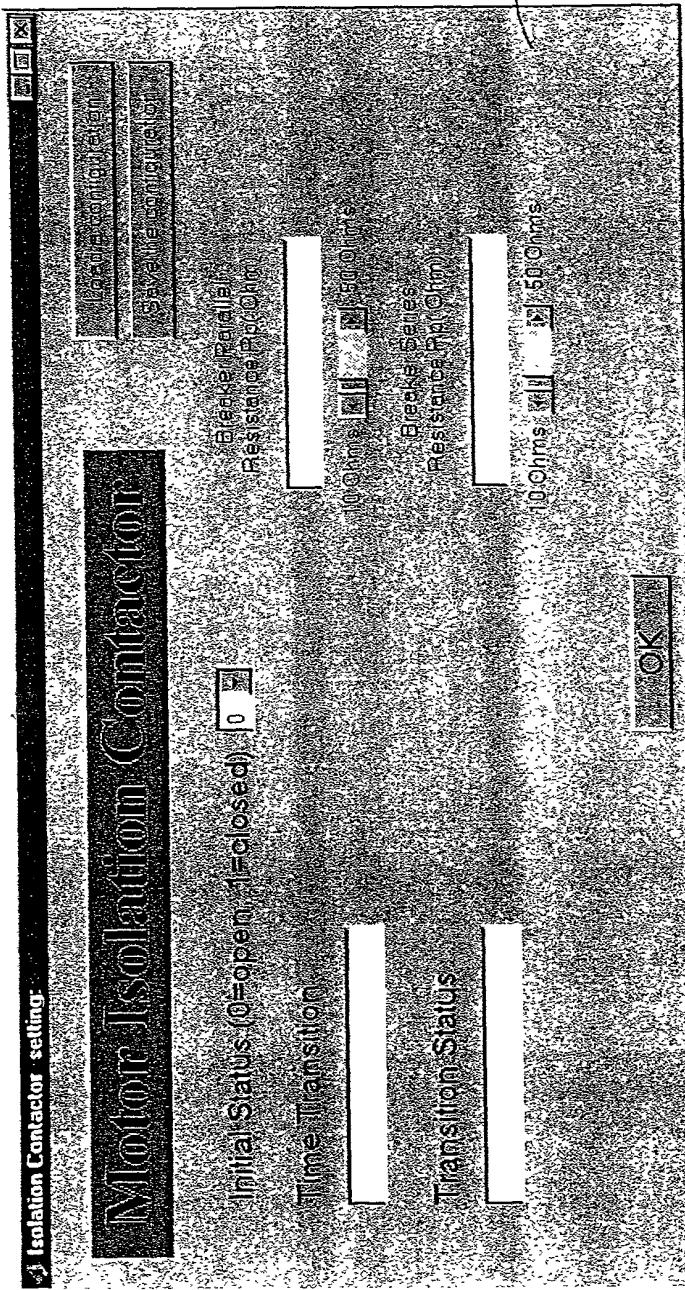


Figure 16

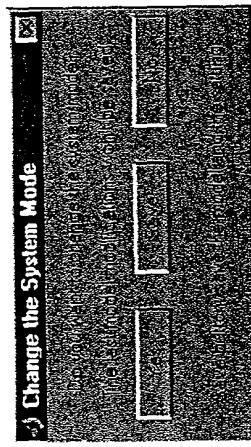


Figure 17

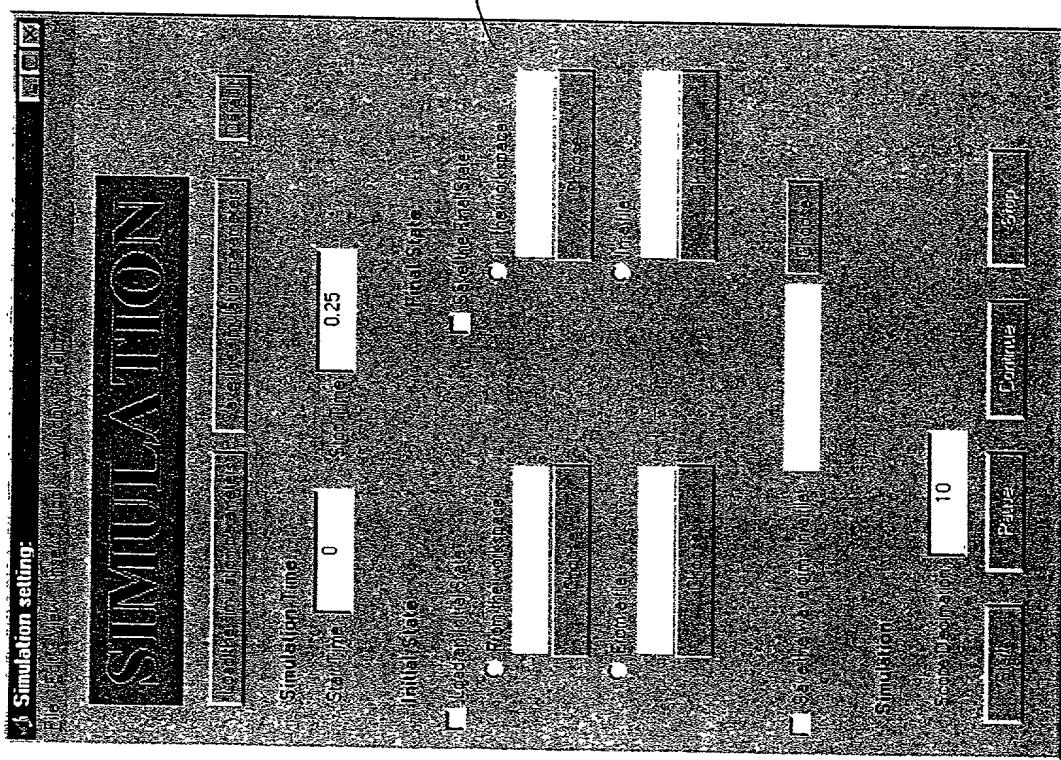


Figure 18

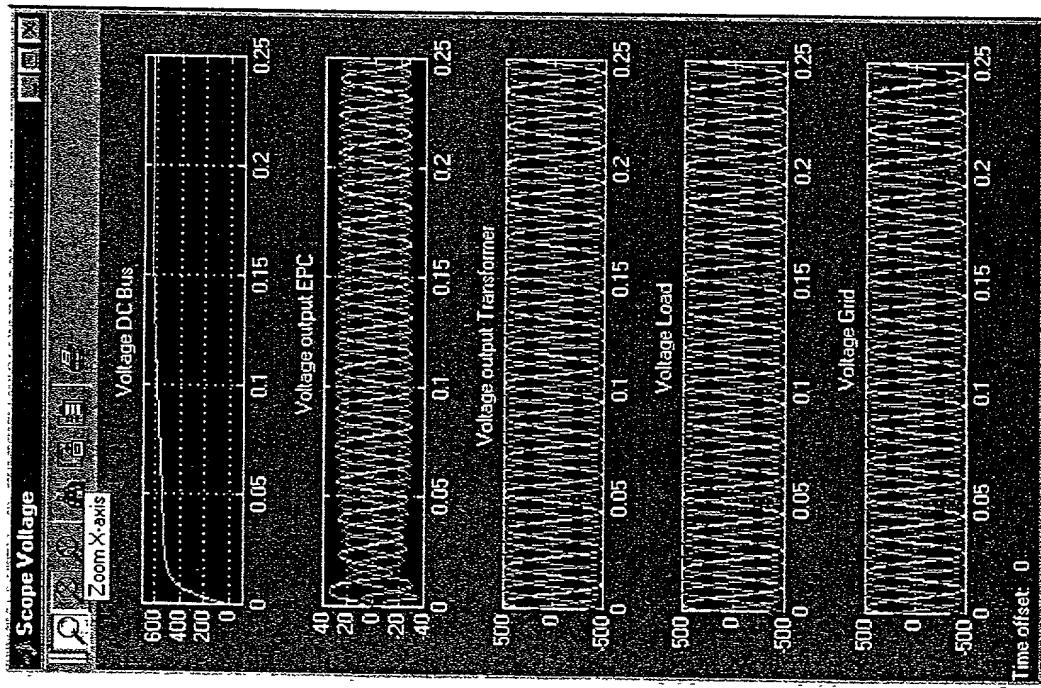


Figure 19

